COMPUTER CURRICULUM CORPORATION

The Leader In Computer-Assisted Instruction

WE HAVE THE EXPERIENCE . . .

CCC has been providing high-quality CAI curriculums since 1967, when it was founded by Dr. Patrick Suppes of Stanford University. Under his leadership, experienced curriculum specialists have developed a wide variety of courses covering from one semester to six grade years of instruction. Through the yea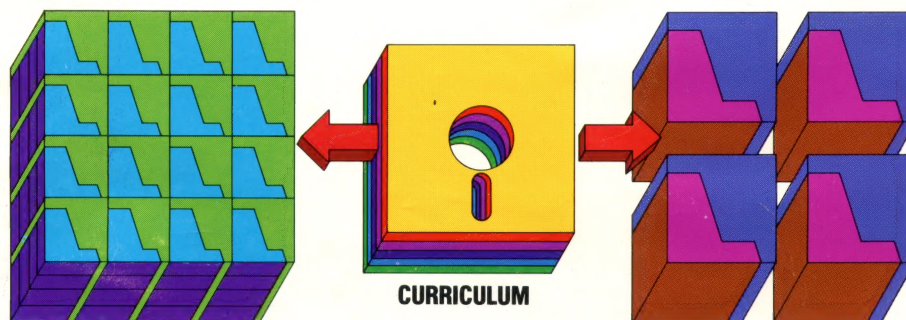rs of providing consulting services and maintenance for our systems, we have added practical revisions and enhancement features to our courses.

CCC curriculums have it all—completely individualized instruction with tutorial messages and automatic record keeping. Our extensive courses (representing hundreds of hours of instruction) motivate students and increase achievement at basic and advanced levels.

. . . AND WE HAVE THE CURRICULUMS . . .

MATHEMATICS

MATHEMATICS STRANDS
> Grades 1–6 (also in Spanish)

DIAL-A-DRILL MENTAL ARITHMETIC
> Grades 1–6

PROBLEM SOLVING
> Grades 3–6

INDIVIDUALIZED MATHEMATICS
WORKSHEETS
> Grades 1–6

MATHEMATICS STRANDS
> Grades 7 & 8

MATH ENRICHMENT MODULES
> Grades 7 and above

INTRODUCTION TO ALGEBRA
> Grades 9 and above

ADULT ARITHMETIC SKILLS
> Adult review

LANGUAGE ARTS

LANGUAGE ARTS STRANDS
> Grades 3–6

LANGUAGE ARTS TOPICS
> Grades 3–6

FUNDAMENTALS OF ENGLISH
> Grades 7 and above

ADULT LANGUAGE SKILLS 1 & 2
> Adult review

READING

AUDIO READING
> Grades 1 & 2

BASIC READING
> Grade 2

BASIC SENTENCES
> Grade 2.5–3.4

READING
> Grades 3–6

READING FOR COMPREHENSION
> Grades 3–6

DIAL-A-DRILL READING
> Grades 1 & 2

DIAL-A-DRILL READING
> Grades 3 & 4

INDIVIDUALIZED READING
WORKSHEETS
> Grades 3–6

CRITICAL READING SKILLS
> Grades 7 and above

ADULT READING SKILLS
> Adult review

SPECIALTY

INTRODUCTION TO PROGRAMMING
> Grades 7 and above

SURVIVAL SKILLS
> Grades 8 and above

EDUCATIONAL GAMES
> Grades 3 and above

EXPLORING CAREERS
> Grades 9 and above

ENGLISH AS A SECOND LANGUAGE
> (FOR SPANISH SPEAKERS)
> (FOR MANDARIN SPEAKERS)
> Beginning to advanced intermediate

GED CURRICULUM
> Adult Review

. . . AND WE CAN DELIVER ON TWO SYSTEMS.

CURRICULUM

MULTI-TERMINAL
CCC-17 MINICOMPUTER

- Curriculum STORAGE of up to 30 million characters
- CENTRALIZED monitoring of up to 96 terminals and 5,000 students
- Individualized printed WORKSHEETS in math and reading generated for classroom and home use
- EASY to use routines allow complete administrative control over student records on your system
- Advanced AUDIO capabilities; CCC's Digital Speech System stores 17 hours of speech

MIX YOUR SYSTEMS
TO MEET
YOUR NEEDS

CCC COURSES
AVAILABLE ONLY ON CCC SYSTEMS

SINGLE-TERMINAL
SONY MICROCOMPUTER

- Curriculum STORAGE of 1.2 million characters per floppy disk
- 64K program RAM, 38K display RAM, and 32K ROM for utility programs and integral BASIC
- 16 COLORS, high-resolution GRAPHICS
- COMPUTER LITERACY and PROGRAMMING with BASIC, COBOL, UCSD PASCAL and a CAI AUTHORING LANGUAGE
- CP/M* operating system supports ATTENDANCE, SCHEDULING, WORD PROCESSING and other programs

*CP/M TRADEMARK OF DIGITAL RESEARCH CORPORATION

CCC
COMPUTER CURRICULUM CORPORATION
P.O. Box 10080, Palo Alto, CA 94303

Computer Curriculum Corporation

CCC COURSEWARE
For CCC Instructional System with SONY SMC-70* Microcomputer

NOW AVAILABLE:

Reading for Comprehension, Grades 3-6	$436
Math Skills, Grades 1-7	$436
Critical Reading Skills I	$238
Critical Reading Skills II	$238

APRIL 15:

Language Arts Strands	$436
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Reading, Grades 3-6	$436
Adult Reading Skills	$189
Adult Language Skills 1	$138
Adult Language Skills 2	$138

JUNE 1:

Survival Skills	$436

OTHER COURSEWARE TO BECOME AVAILABLE:

Fundamentals of English	$238
Introduction to Algebra	$238
GED Curriculum	$436
Math Enrichment Modules	$289
Problem Solving	$436

Handwritten annotations:

Unit Cost:
Micro 1475
Monitor 395 (green) 950 (color)
Floppy Disk Controller 370
Drive 1265
Cable 50
Two Disk to Copy Course when add 1315
Dot Matrix Printer 800
Cable 68

*Registered trademark of SONY CORPORATION OF AMERICA
Prices subject to change without notice

3/1/83

COMPUTER CURRICULUM CORPORATION

CCC INSTRUCTIONAL SYSTEM
WITH SONY SMC-70* MICROCOMPUTER AND CCC COURSEWARE

HARDWARE SPECIFICATIONS
SUMMARY

MICROPROCESSOR

Z80A* operating at 4.028 MHz clock.

MEMORIES

64K bytes of RAM
32K bytes of ROM
38K bytes of display memory

TEXT

80 characters x 25 lines
or 40 characters x 25 lines
selected by user
Characters displayed in 8 x 8
matrix
Upper-lower case standard
Characters can use inverse mode,
 (reverse video), flashing

GRAPHIC DISPLAY

Up to 16 colors
High res 640 x 200 dots, 4 colors
Up to 640 x 400 dots, 2 colors
Can be implemented at same time as
characters are displayed

KEYBOARD
Standard QWERTY keyboard,
72 keys, with 5 programmable
(15 defined functions)
and 8 display control keys

DISK DRIVE UNIT

8" floppy disks, double-sided,
double-density, with formatted
capacity of 1.2 megabytes each
Includes power supply, fan,
user-serviceable dust filter
Floppy Disk Controller Board can
link up to 4 disk drives

STANDARD INTERFACES

RS-232C interface
Parallel printer port
RGB analog video output
Composite video output
Cassette tape recorder interface
Numeric keypad interface
5 expansion I/O slots
Expansion unit connector for
additional slots in expansion
box

ADDITIONAL STANDARD FEATURES

Timer/Calendar
Earphone jack
Audio speaker
Sound level switch
System turnkey switch
Tone generator

POWER

115 VAC, 60 Hz, 30w

SOFTWARE
CP/M 2.2* operating system
SONY cassette BASIC in ROM
SONY disk BASIC
Graphic Editor
Authoring Languages
Word Processing

CCC Courseware for
 individualized CAI

*Z80A Trademark of Zilog, Inc.
*SONY is a registered trademark
 of Sony Corporation of America
*CP/M Release 2.2 is a registered
 trademark of Digital Research, Inc.

PRELIMINARY

COMPUTER CURRICULUM CORPORATION

SLS-10 TERMINAL

Computer Curriculum Corporation's SLS-10 terminal is a new student terminal for the CCC-17 Instructional System. It is an intelligent terminal with a Z80A 8-bit microprocessor that can be daisy-chained and connected to a communication port of the CCC-17 computer.

Design features

- 12-inch non-glare screen

- High-resolution dot matrix characters

- 80 character line, 24 line screen

- Data transmission rates from 50 to 19,200 baud

- Reverse video

- Edit (META) key

- Insert and delete line and character

The terminal has a lightweight molded cover, typewriter-style keyboard and sculptured key caps with matte finish for low glare. It features built-in diagnostics and English language menu set-up mode. Set-up options may be stored in volatile or non-volatile memory. By-pass relay completes the data path to clustered terminals during power down.

The SLS-10 terminal includes most of the features of a VT-100 terminal, including text processing screen functions, which also allow it to be used as a terminal for general purpose computer applications. It is compatible with the ANSI X3.64 standard.

These features make this a versatile terminal for student use and other applications.

Specifications

Dimensions: 14"W x 13"H x 22"D

Weight: 25 pounds

Power: 120/240 VAC +-10%, 47 to 63 Hz

AC Current draw: Average .5 amps at 120 volts

Maximum AC surge current: 1 amp

Interface: RS232C

Operating Temperature: 40 degress F. to 110 degrees F.

Baud rates supported: 300, 600, 1200, 1800, 2400, 4800, 9600

PRELIMINARY

SLS-10 TERMINAL MARKETING INFORMATION

The SLS-10 Terminal replaces the SLS-3 and Mini-Ace in a student cluster mode application, at a lower cost.

Comparison of SLS-10 to SLS-3 terminal

- SLS-10 has a modified SLS-3 cover and baseplate. Size and appearance are very similar to the SLS-3.

- A new Logic Circuit PC board is incorporated to include the intelligence previously provided with the Mini-Ace.

- New keyboard adds ESC, TAB, EDIT keys (not used in CCC-17 application). The ERASE and GO keys of the SLS-3 are replaced by DELETE and RETURN keys on the SLS-10.

- Each SLS-10 has a power cord to be plugged into an outlet.

- In a standard layout, 8 SLS-10 terminals are placed on four tables with an optional power distribution box mounted on the underside of the table. All SLS-10 power cords plug into the power distribution box. An additional table is used if a printer is part of the cluster.

- SLS-10 has a new back panel with three six-wire modular telephone-type connectors, a 3-prong AC power inlet plug, brightness control knob, and a push-type power switch.

- A printer can be connected directly to one of the modular connectors on the back panel of the SLS-10 terminal. If a printer is used, it is connected to the first terminal in a daisy-chain.

The SLS-10 Terminal can operate in a cluster mode or stand-alone mode. At a local site, up to 16 terminals can be daisy-chained to one communications port. At a remote site, up to 8 terminals can be daisy-chained to one phone line and communications port.

Communication baud rate is set to 1200 baud, except at a local cluster for 9-16 terminals when it is set to 1800 baud.

A By-Pass Relay feature is activated if AC power to a terminal is turned off. The By-Pass Relay completes the data path in a chain of terminals so all terminals in a chain will not be affected by power being off on one. as long as there is no more than 100 feet between functioning terminals.

When the SLS-10 terminal in a cluster is turned on , the signal is regenerated and sent on to the next terminal. If an SLS-10 is turned off, the signal is sent on, but not regenerated.

There is a standard 5 foot modular cable between terminals. Lengths of 25, 50, and 100 feet are also available.

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JUNE 1: Survival Skills $436

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Computer Curriculum Corporation

CCC INSTRUCTIONAL SYSTEM
with SONY SMC-70 Microcomputer and CCC Courseware

CCC COURSEWARE: MATHEMATICS

MATH SKILLS, GRADES 1-7 (MK) $436

Teacher's Handbook: $3.25 each

Expected hours to complete: 150 at 25 per year
Drill and practice; strands structure; grades 1-6+

Individualized drill and practice in mathematics, with sessions tailored to each student's achievement level in 12 strands. Appropriate for remedial, average, and accelerated students. Sessions consist of mixed drills (containing exercises from all active strands). Students can also take fixed drill sessions, with exercises from a single strand.

PROBLEM SOLVING (PS) $436

Teacher's Handbook: $3.25 each

Expected hours to complete: 100 at 25 per year
Tutorial; strands structure; grades 3-6

Helps students learn to solve word problems. It teaches techniques of problem solving through specific comments, hints, and error messages, and provides individualized drill and practice in seven topic areas. Problem solving skills are distinguished from computation. For example, some exercises are in "calculator mode" when the student can use use the computer as a calculator. Others require computation as in Math Skills. Sessions consist of mixed drills unless the teacher requests a fixed drill.

MATH ENRICHMENT MODULES (EM) $289

Teacher's Handbook: $4.50 each
Student Text: 4.25 each

Expected hours to complete: 50 at 25 per year
Tutorial; lesson structure; grades 7 & 8

A supplementary junior high mathematics program. Modules are: Geometry, Statistics, Sets, Probability, Logic, and Functions and Graphing. Students can be enrolled in any or all modules. An off-line book of figures is used with some of the modules.

INTRODUCTION TO ALGEBRA   (ALG)

$238

Teacher's Handbook: $3.25 each
Student Text: 9.00 each

Expected hours to complete: 50
Tutorial; lesson structure; grade 9 and above

Basic algebraic concepts and techniques for solving equations. Concepts and techniques are introduced in an off-line text; students take exercises at the terminal to practice, with tutorial messages to guide them. Appropriate for accelerated elementary students, secondary students, and adults with basic arithmetic skills.

BASIC READING   (BR) $189

Teacher's Handbook: $3.25 each

Expected hours to complete: 25
Drill and practice; strands structure; grade 2

Reading practice for beginning and remedial readers, with high-frequency vocabulary, strict attention to syntax and sentence patterns, and variety in content and format. Includes stories and paragraphs. Helps students prepare for Reading for Comprehension.

BASIC SENTENCES   (BS) $138

Expected hours to complete: 25
Drill and practice; strands structure; grades 2.5-3.5

Individualized drill and practice in simple sentences for the remedial reader. High frequency vocabulary; student uses context and builds reading skill.

READING, GRADES 3-6   (RD) $436

Teacher's Handbook: $3.25 each

Expected hours to complete: 100 at 25 per year
Drill and practice; strands structure; grades 3-6

Individualized drill and practice in five basic skill areas for the remedial reader. In addition, it has supplementary practice in basic sentence patterns.

READING FOR COMPREHENSION, grades 3-6   (RC) $436

Teacher's Handbook: $3.25 each

Expected hours to complete: 100 at 25 per year
Drill and practice; strands structure; grades 3-6

Individualized drill and practice in six strands: Word Attack, Vocabulary, Literal Comprehension, Interpretive Comprehension, Work-Study Skills, and Paragraphs. Reading selections and vocabulary come from many different content areas. This course is suitable for developmental and remedial work. Sessions consist of mixed drill unless the teacher requests a fixed drill.

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CRITICAL READING SKILLS 1 — $238
CRITICAL READING SKILLS 2 — $238

Teacher's Handbook: $3.25 each
Student Textbook: 9.00 each

Expected hours to complete: 100 at 50 per year
Tutorial; grades 7 and above

Sequential development of vocabulary and development of critical reading skills. The student reads passages in an off-line text and answers questions at the terminal. Tutorial guidance to close reading of the text. The teacher may request fixed drill in vocabulary or comprehension skills.

ADULT READING SKILLS   (ARS) $189

Teacher's Handbook: $4.00 each

Drill and practice; strands structure; adults

Practice in basic reading skills for adults. Content includes aspects of consumer education and other adult interests. Brings the student up to the level of a competent sixth-grade reader.

CCC COURSEWARE: LANGUAGE ARTS

LANGUAGE ARTS STRANDS (LS) $436

Teacher's Handbook: $4.50
Expected hours to complete: 100 at 25 per year
Drill and practice; strands structure; grades 3-6

Individualized drill and practice with examples and patterns to correct common usage problems. Few grammatical terms.   Mixed drill available from eight strands. Topics included are: principal parts of verbs, verb usage, subject-verb agreement, pronoun usage, contractions, possessives, negatives, modifiers, sentence structure, and mechanics. The course may be used separately or with Language Arts Topics.   For remedial and average students.

FUNDAMENTALS OF ENGLISH   (FUN) $238

Teacher's Handbook: $3.25
Expected hours to complete: 50
Tutorial; lesson structure; grade 7 and above

Tutoring and practice in the formation of correct, complete sentences in standard written English. Grammatical terminology is kept to a minimum.   Tutorial messages guide the student's practice.   The course includes chapter tests.   Appropriate for junior high, high school, junior college, and adult students.

ADULT LANGUAGE SKILLS 1   (ALS1) $138
ADULT LANGUAGE SKILLS 2   (ALS2) $138

Teacher's Handbook: $4.00
Drill and practice; strands structure; adults

Reviews language arts skills expected of good elementary school students.   for adults. Session consists of mixed drill in exercises from all eight strands plus a brief tutorial lesson from one of the strands.   Includes: principal parts of verbs, verb usage, subject-verb agreement, contractions, possessives, negatives, modifiers, sentence structure, and mechanics.   The course can be used as preparation for CCC's GED Curriculum.

SURVIVAL SKILLS   (SS)

$436

Teacher's Handbook: $4.50
Student's Textbook: $6.50

Expected hours to complete: 50
Tutorial; lesson structure; grade 9 and above

Lessons in basic topics of everyday life: health and nutrition, consumer skills, employment, personal finance, information sources, transportation and entertainment. The lessons reflect the current emphasis on the practical application of reading and mathematics skills seen in proficiency tests and minimum competency tests. Students receive practice and tutorial help on the skills needed for these tests. Appropriate for high school students and adults.

GED CURRICULUM   (GED)

$436

Teacher's Handbook: $4.00
Student's Textbook: $10.00

Expected hours to complete: 50
Tutorial; lesson structure; grade 11 and above

A curriculum designed to help prepare students for all parts of the GED Examination (High School Level Tests of General Educational Development). Students can take any combination of the five sections: Social Science, Natural Science, Literature, English, and Mathematics. An off-line text contains reading selections and explanatory material.

Computer Curriculum Corporation

CCC INSTRUCTIONAL SYSTEM
with SONY SMC-70 Microcomputer and CCC Courseware

CCC COURSEWARE: WHAT IS INCLUDED

The purchase of CCC Courseware includes two copies of curriculum disks, one for everyday use and one for a backup copy. The disks are 8" double density, double-sided format for use on the CCC Instructional System with SONY SMC-70 Microcomputer.

Each disk will hold records of progress in the course for 50 students. The curriculum disks include the driver program to individualize instruction, record-keeping capability, and proctor functions. The proctor functions allow the teacher to enroll students, get several types of reports (either on monitor or printer) and make a periodic backup copy of the history information on the second disk provided.

The curriculum disks will run only on the microcomputer(s) they are sold for. The proctor functions on each disk, however, can be run on any of the CCC Instructional Systems (SMC-70 microcomputer with CCC 1100 Disk Drive). This enables the teacher or proctor to work conveniently at one system for all management activities and to get printed reports on a system with a printer.

There is a proctor copy function that allows the teacher or proctor to make additional backup copies. The copy function requires one microcomputer system to have two drives (A and B drives). Backup copies may also be ordered from CCC at a cost of $40 each.

When you order CCC Courseware you will receive:

> 2 curriculum disks (one is for backup of student histories)
>
> 1 User's Manual per school
>
> 1 teacher handbook per school for each course ordered
>
> 1 text per curriculum set ordered (for curriculums with texts).

The course descriptions which follow include the price of additional handbooks and texts.